



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

I N D E X.

Motion: Many things discuss'd about it by *Hen. Fabry*; who particularly examines the Rules of Motion deliver'd by *M. Hugen*; who also denieth, that a Body Horizontally projected comes at the same time to the ground with another fallen down perpendicularly: and who considers likewise the Principles of the Motion of Restitution.

P.

Bigge Oysters and Cockle shells *P. trified* on the Rocks in the remote parts of France. 51. 183.

R.

An Unusual *Refraction* discover'd by *Eras. Bartholin* in a Chrytal-like Body to be found in *Iceland*; where occur many considerable Observations, *Experim.* and *Reflexions*. 57. 2039.

Respiration examined by *M. Boyle* in *Machina Boyliana* N. 62. and N. 63. How long Ducks last in *Machina*. 62. 2011. The *Phænomena* afforded by *Vipers*, *Frogs*, and *Kittlings*. p. 2013, &c. Tryals about Air harboured in the pores of water. 2019. Shell fishes and Scale-fishes. 2023. A Bird and Frog, both wounded in the Abdomen, tryed 2026. The Motion of the separated heart of a Cold Animal, tryed. 2027. The comparison of the times wherein an Animal may be killed by Drowning, or by withdrawing the Air, tryed in a Greenfinch, a Sparrow, and a Mouse. 2028. &c. That water Fowle, (at least Ducks) can live longer under Water than Land-birds. 2029. Tryals of a *Viper* in *Machina*, and afterwards under water, and some reasons render'd, why the longer surviving in *Machina*, does not sufficiently prove, that Suffocation does not kill Animals faster than the deprivation of Air 2031.

Tryals made in reference to those Diseases and Distempers, which are thought principally to affect the respiratory Organs N. 63. p. 2036. By a Linnet, a Lark, a Greenfinch, a *Viper*. 2037. A Digestive Experiment concerning respiration upon very high mountains. 2038. Observations on an Animal in changes of rarity and density 2039. An unsuccessful attempt to prevent respiration by the production or growth of Animals in *Machina* 2040. A Digestive Experiment concerning the Expansion of Blood and other Animal juices. 2043. Of the power of *Assu-faction* to enable Animals to hold out in Air by Rarefaction made unfit for Respiration. 2045.

Reasons why these last Tryals are to be reiterated for fuller satisfaction; and that Air

unfit for Respiration may retain its wonted pressure. 2046. How necessary Air is to elevate the steams of Bodies. 2048. Tryals made of two sorts of white Snails, without shells, on an Effr, and a Leech. 2049. &c. What hapned to Reptiles, as Caterpillars, in *Machina*. 20051. Winged Insects, ordinary Flies, Flesh-flies, with their heads cut off, and otherwise Grasshoppers, Shining Beetles, Butterflies, tryed 2052. &c. Ants, Mites, and smallest Insects tryed; and of the necessity of Air to the motion of such small Creatures. 2054.

S.

A Rock of Natural Salt discover'd in Cheshire. 66. 2013.

The *Salubrity* of an unwholesome place how to be recovered. 66. 2017.

Seas; their Flux and Reflux considered by *Mr. Childrey*. 64. 2061; answered by *Dr. Wallis* 2068. See Additional. 66. 2038.

A way of making Sea-water sweet. 67. 2048. 2050.

Spiders, The manner how they project their threads. 65. 2013. and 2014. Fit to be added to the like observation. N. 50.

Springs, The Palpable Indications of some healing Springs, and an Essay to detect the causes of some peculiarities in Springs. 57. 1154. Mineral Springs re-examined by *Dr. Witty*. 60. 1074.

Admirable Stone-quarry about Mastrich. 67. 2051.

V.

Vegetables, Dwarf Oaks having Acorns in New-England. 57. 1151. The Bark of a Tree growing in Nova Scotia, bearing knobs which contain a Sanative Liquor like Turpentine. 57. 1157. Pods of Silk-Grass from New England described, and its use 57. 1152. A Branch of the Cotton-tree from N. Eng. Ibid. Observations, Directions, and Enquiries concerning the motion of Sap in Trees. 57. 1155. and 58. 1198. See also in N. 68. many particulars on this subject, in reference to Sycamores and Winter Bleedings of some Trees.

Vinegar, how made in France. 61. 2002.

Of Vision: The Principal Organ examin'd by *M. Mariotte*. 59. 1023.

W.

A practice to make a good Muskadell Wine by the Mark or husk of the Grape. 58. 1187.

Wood found good store under ground in Lancashire. 67. 2050.

E R R A T A. P. 2069. l. 29. r. Lister for Wray.

L O N D O N,
Printed for John Martyn, Printer to the Royal Society.